

SEQUENCE LISTING

<110> HIRAMATSU, Shingo
MORIYAMA, Hiromitsu
ASAOKA, Ryota
MORITA, Ken
TANAKA, Takashi
YAMADA, Katsushige
OBRIEN , John Philip
FAHNESTOCK , Stephen R.

<120> SILK THREAD CONTAINING SPIDER SILK THREAD PROTEIN AND
SILKWORM PRODUCING SAID SILK THREAD

<130> 5374-0101PUS1

<140> US 10/585,742

<141> 2006-07-12

<150> PCT/JP2005/000619

<151> 2005-01-12

<150> JP 2004-005489

<151> 2004-01-13

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<213> Artificial Sequence

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<223> Peptide derived from spider thread protein

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Ala Gly Arg Gly Gly Leu Gly Gln Gly Ala Gly Ala Ala Ala Ala
20 25 30

Ala Ala Ala Gly Gly Ala Gly Gln Gly Gly Leu Gly Ser Gln Gly Ala
35 40 45

Gly Gln Gly Ala Gly Ala Ala Ala Ala Gly Gly Ala Gly Gln
50 55 60

Gly Gly Tyr Gly Gly Leu Gly Ser Gln Gly Ala Gly Arg Gly Gly Gln
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Gly Ala Gly Ala Ala Ala Ala Ala Gly Gly Ala Gly Gln Gly Gly
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Tyr Gly Gly Leu Gly
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<223> Peptide derived from spider thread protein

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20 25 30
Gly Ala Gly Gly Ser Gly Pro Gly Gln Gln Gly Pro Gly Gly Tyr Gly
35 40 45
Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly
50 55 60
Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly
65 70 75 80
Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly
85 90 95

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<212> PRT

<213> Bombyx mori

<400> 3

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Cys

<210> 4

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<212> PRT

<213> Bombyx mori

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Met Arg Val Lys Thr Phe Val Ile Leu Cys Cys Ala Leu Gln Tyr Val
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Ser Asp Val
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<223> Chemically synthesized primer

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<223> Segment in the natural spider thread protein, spidroin2

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<223> Segment in the natural spider thread protein, spidroin2

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Gly Pro Gly Gln Gln
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